

Title (en)

Enlargement of photopolymer images in photopolymer mask.

Title (de)

Vergrößerung von Photopolymerbildern in Photopolymervorlagen.

Title (fr)

Agrandissement des images photopolymères dans les originaux à base de photopolymères.

Publication

EP 0130581 A2 19850109 (EN)

Application

EP 84107502 A 19840628

Priority

US 50970283 A 19830630

Abstract (en)

Process of enlarging image areas covered by a stencil or relief image area formed in a photopolymer mask consisting essentially of (a) contacting said image area with a swelling agent and optionally a diluent to effect enlargement, and (b) removing excess swelling agent, i.e., evaporation, air impingement including heating. Additional image enlargement is possible by further contacting the image with a more concentrated swelling agent. The process is particularly useful in enlarging halftone image dots of photopolymer litho masks wherein the halftone image areas consist of hardened upper skins which rest on softer undervolumes having a lesser degree of polymerization or hardening.

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G03F 7/26; G03F 1/00

IPC 8 full level

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CPC (source: EP US)

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